

WHAT IS CLAIMED IS:

1. A stacked ceramic body comprising a predetermined number of unit layers, each of said unit layers formed by stacking:

5 a ceramic layer and an internal electrode layer stacked on at least a part of a surface of said ceramic layer;

a spacer stacked on a surface of said ceramic layer at which said internal electrode layer is not formed, and having substantially the same thickness as said internal electrode layer; and

adhesive layers stacked on a surface of said internal electrode layer and a surface of said spacer.

15 2. A stacked ceramic body according to claim 1, wherein said spacer and said adhesive layer are integrated with each other.

3. A method for producing a stacked ceramic body by stacking a predetermined number of unit layers, each of said unit layers including a ceramic layer, an internal electrode layer stacked on at least a part of a surface of said ceramic layer, a spacer stacked on a surface of said ceramic layer at which said internal electrode layer is not formed, and having substantially the same thickness as said internal electrode layer, and adhesive layers stacked on a surface of said internal electrode layer and on a surface of said spacer, said method comprising the steps of:

preparing slurry for a ceramic layer, containing a ceramic material and a binder, slurry for an internal electrode layer, containing an electrode material and a binder, slurry for a spacer, containing a spacer material and a binder, and slurry for an adhesive layer, containing an adhesive layer material and a binder;

35 a binder content in said slurry for the adhesive layer being higher than a binder content in said

slurry for the ceramic layer;

forming a green sheet for a ceramic layer
from said slurry for the ceramic layer;

5 forming a print portion for the internal
electrode layer on said green sheet for the ceramic layer
by use of said slurry for the internal electrode layer;

forming a print portion for the spacer by
use of said slurry for the spacer;

10 forming and stacking a print portion for
the adhesive layer on said print portions for the
internal electrode layer and for the spacer by use of
said slurry for the adhesive layer to give an unsintered
unit;

15 stacking a predetermined number of said
unsintered units to give an unsintered stacked body; and
pressing and bonding said unsintered
stacked body and then sintering said unsintered stacked
body.

20 4. A method for producing a stacked ceramic body
according to claim 3, wherein pressing and bonding of
said unsintered stacked body are carried out at 50 to 500
g/cm².

25 5. A method for producing a stacked ceramic body
by stacking a predetermined number of unit layers, each
of said unit layers including a ceramic layer, an
internal electrode layer stacked on at least a part of a
surface of said ceramic layer, a spacer stacked on a
surface of said ceramic layer at which said internal
electrode layer is not formed, and having substantially
30 the same thickness as said internal electrode layer, and
adhesive layers stacked on a surface of said internal
electrode layer and on a surface of said spacer, said
method comprising the steps of:

35 preparing slurry for a ceramic layer,
containing a ceramic material and a binder, slurry for an
internal electrode layer, containing an electrode
material and a binder, slurry for a spacer, containing a

spacer material and a binder, and slurry for an adhesive layer, containing an adhesive layer material and a binder;

5 a binder content in said slurry for the adhesive layer being higher than a binder content in said slurry for the ceramic layer;

forming a large-scale green sheet capable of providing a plurality of green sheets for the ceramic layer from said slurry for the ceramic layer;

10 forming a print portion for the internal electrode layer on said large-scale green sheet by use of said slurry for the internal electrode layer;

forming a print portion for the spacer by use of said slurry for the spacer;

15 forming a print portion for the spacer on said large-scale green sheet by use of said slurry for the spacer;

forming and stacking a print portion for the adhesive layer on said print portions for the internal electrode layer and for the spacer by use of said slurry for the adhesive layer;

punching said large-scale green sheet to give unsintered units;

25 stacking and press-bonding said unsintered unit to other unsintered unit simultaneously with punching;

repeating said punching and press-bonding operation to give an unsintered stacked body; and

sintering said unsintered stacked body.

30 6. A method for producing a stacked ceramic body according to claim 5, wherein pressing and bonding of said unsintered units is carried out at 50 to 500 g/cm².

7. A method for producing a stacked ceramic body according to any of claims 3 or 5, wherein a mean particle diameter of said ceramic material is from 0.3 to 2 μ m.

8. A method for producing a stacked ceramic body

according to any of claims 3 or 5, wherein a mean particle diameter of said adhesive layer material is from 0.3 to 3 μm .

- 5 9. A method for producing a stacked ceramic body according to any of claims 3 or 5, wherein said slurry for the spacer and said slurry for the adhesive layer comprise the same slurry, and said print portion for the spacer and said print portion for the adhesive layer are integrally formed by use of said same slurry.